

# Claims

- [c1] 1. An apparatus for forming a folding-line on a material comprising:  
a base for placing the material;  
a rail mounted on the base;  
a carriage slidably mounted on the rail; and  
a blade mounted on the carriage, the blade including an arc-shaped portion for forming the folding-line on the material.
- [c2] 2. The apparatus of claim 1 wherein the arc-shaped portion surrounds the blade.
- [c3] 3. The apparatus of claim 1 wherein the blade is rotatably coupled to the carriage.
- [c4] 4. The apparatus of claim 1 wherein the blade is fixed to the carriage.
- [c5] 5. The apparatus of claim 4 wherein the base comprises a guiding slit along the rail.
- [c6] 6. The apparatus of claim 1 wherein a radius of the arc-shaped portion is half of a thickness of the blade.

[c7] 7. The apparatus of claim 1 wherein the material is paper.